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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 06231793 A

(43) Date of publication of application: 19.08.1994

(51) Int. Cl. H01M 8/10
H01M 8/02, H01M 8/04

(21) Application number: 05017317
(22) Date of filing: 04.02.1993

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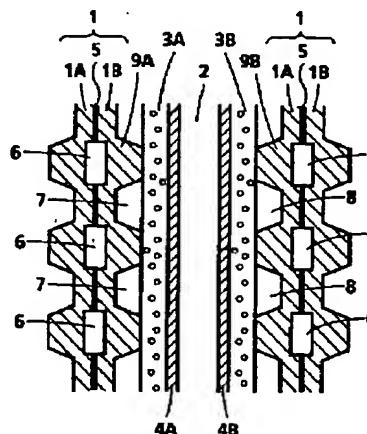
(54) SOLID HIGH POLYMER ELECTROLYTIC TYPE FUEL CELL

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(57) Abstract:

PURPOSE: To provide an effective method of humidification of fuel hydrogen on the side of a hydrogen electrode for wetting an electrolytic film, and of humidification of air or oxygen on the side of an air electrode or oxygen electrode.

CONSTITUTION: In a fuel cell provided with a solid high polymer electrolytic film 2, a gas separator 1 is a hydrophilic porous material having conductivity. A cooling water channel 6 is formed in the gas separator 1, and water is fed to a hydrogen electrode by utilizing the transportation characteristic or capillary effect of the hydrophilic porous material, and the water from an air electrode is thus drained.



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